



SEQUENCE LISTING

RECEIVED

AUG 20 2002

TECH CENTER 1600/2900

<110> Klein, Christine A.
Murphy, Andrew J. M.
Broach, James R.
Manfredi, John
Paul, Jeremy
Fowlkes, Dana M.
Trueheart, Joshua

<120> Methods and Compositions for Identifying
Receptor Effectors

<130> CPI-012CP5DV

<140> US 09/747,774

<141> 2000-12-21

<150> US 08/582,333

<151> 1996-01-17

<150> US 08/464,531

<151> 1995-06-05

<150> US 08/461,598

<151> 1995-06-05

<150> US 08/461,383

<151> 1995-06-05

<150> US 08/463,181

<151> 1995-06-05

<150> US 08/322,137

<151> 1994-10-13

<150> US 08/309,313

<151> 1994-09-20

<150> US 08/190,328

<151> 1994-01-31

<150> US 08/041,431

<151> 1993-03-31

<160> 100

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 10

<212> PRT

<213> Saccharomyces cerevisiae

<400> 1

Leu Leu Leu Leu Gly Ala Gly Glu Ser Gly

1

5

10

<210> 2

<211> 9

<212> PRT
<213> Saccharomyces cerevisiae

<400> 2
Gly Ser Gly Glu Ser Gly Asp Ser Thr
1 5

<210> 3
<211> 9
<212> PRT
<213> Saccharomyces cerevisiae

<400> 3
Leu Ile His Glu Asp Ile Ala Lys Ala
1 5

<210> 4
<211> 13
<212> PRT
<213> Saccharomyces cerevisiae

<400> 4
Ser Leu Leu Trp Leu Thr Cys Arg Pro Trp Glu Ala Met
1 5 10

<210> 5
<211> 34
<212> DNA
<213> Saccharomyces cerevisiae

<400> 5
gttaagaacc atatactagt atcaaaaatg tctg 34

<210> 6
<211> 35
<212> DNA
<213> Saccharomyces cerevisiae

<400> 6
tgatcaaaat ttactagttt gaaaaagtaa ttctg 35

<210> 7
<211> 28
<212> DNA
<213> Saccharomyces cerevisiae

<400> 7
ggcaaaatac tagtaaaatt ttcatgtc 28

<210> 8
<211> 34
<212> DNA
<213> Saccharomyces cerevisiae

<400> 8
ggcccttaac acactagtgt cgcattatat ttac 34

<210> 9

C1
cont

<211> 60
<212> DNA
<213> Saccharomyces cerevisiae

<400> 9
ctaaagaaga aggggtatct ttgcttaagc tcgagatctc gactgataac aacagtgtag 60

<210> 10
<211> 31
<212> DNA
<213> Saccharomyces cerevisiae

<400> 10
catacacaat ataaagcttt aaaagaatga g 31

<210> 11
<211> 28
<212> DNA
<213> Saccharomyces cerevisiae

<400> 11
ttaagcgtga ggcagaagct tatcgata 28

<210> 12
<211> 28
<212> DNA
<213> Saccharomyces cerevisiae

<400> 12
cgactccgt cttcgaatag ctatctag 28

<210> 13
<211> 25
<212> DNA
<213> Saccharomyces cerevisiae

<400> 13
gctacttaag cgtgaggcag aagct 25

<210> 14
<211> 38
<212> DNA
<213> Saccharomyces cerevisiae

<220>
<221> misc_feature
<222> (11)...(13)
<223> n = A,T,C or G

<400> 14
cggatgatca nnnagcttct gcctcacgct taagtagc 38

<210> 15
<211> 71
<212> DNA
<213> Saccharomyces cerevisiae

<220>
<221> misc_feature
<222> 19,20,22,23,25,26,28,29,31,32,34,35,37,38,40,41,43,44,

C'
Cont.

<222> 46,47,49,50,52,53

<223> n = A,T,C or G

<400> 15

ctggatgcga agacagctnn knknknknkn nnknknknkn nkknknknkn knnktgatca 60
gtctgtgacg c 71

<210> 16

<211> 17

<212> DNA

<213> *Saccharomyces cerevisiae*

<400> 16

gcgtcacaga ctgatca 17

<210> 17

<211> 17

<212> DNA

<213> *Saccharomyces cerevisiae*

<400> 17

tgatcagtct gtgacgc 17

<210> 18

<211> 17

<212> DNA

<213> *Saccharomyces cerevisiae*

<400> 18

actagtcaga cactgcg 17

<210> 19

<211> 41

<212> DNA

<213> *Saccharomyces cerevisiae*

<400> 19

ccaaaataag tacaaagctt tcgaatagaa atgcaaccat c 41

<210> 20

<211> 59

<212> DNA

<213> *Saccharomyces cerevisiae*

<400> 20

gccgctccaa aagaaaagac ctcgagctcg cttaagttct gcgtacaaaa acgttgttc 59

<210> 21

<211> 26

<212> DNA

<213> *Saccharomyces cerevisiae*

<400> 21

ggtactcgag tgaaaagaag gacaac 26

<210> 22

<211> 49

<212> DNA

<213> *Saccharomyces cerevisiae*

<220>

C1
cont

<221> misc_feature

<222> 28-39, 42

<223> n = A,T,C or G

<400> 22

cgtacttaag caataacaca nnnngttgtcc ttctttttcac tcgagtacc

49

<210> 23

<211> 17

<212> DNA

<213> Saccharomyces cerevisiae

<400> 23

gcgtcacaga ctgatca

17

<210> 24

<211> 71

<212> DNA

<213> Saccharomyces cerevisiae

<220>

<221> misc_feature

<222> (1)...(71)

<223> n = A,T,C or G

<400> 24

gccgtcagta aagcttggca ttggttggnn nnnnnnnnm mncagcctat gtactgatca 60
gtctgtgacg c 71

<210> 25

<211> 39

<212> DNA

<213> Saccharomyces cerevisiae

<220>

<221> CDS

<222> (1)...(39)

<400> 25

tggt cat tggttg cag cta aaa cct ggc caa cca atg tac
Trp His Trp Leu Gln Leu Lys Pro Gly Gln Pro Met Tyr
1 5 10

39

<210> 26

<211> 13

<212> PRT

<213> Saccharomyces cerevisiae

<400> 26

Trp His Trp Leu Gln Leu Lys Pro Gly Gln Pro Met Tyr
1 5 10

<210> 27

<211> 39

<212> DNA

<213> Saccharomyces cerevisiae

<220>

<221> CDS

C1
Cont.

<222> (1)...(39)

<400> 27

tgg cat tgg ttg cag cta aaa cct ggc cag cct atg tac
Trp His Trp Leu Gln Leu Lys Pro Gly Gln Pro Met Tyr
1 5 10

39

<210> 28

<211> 13

<212> PRT

<213> Saccharomyces cerevisiae

<400> 28

Trp His Trp Leu Gln Leu Lys Pro Gly Gln Pro Met Tyr
1 5 10

<210> 29

<211> 39

<212> DNA

<213> Saccharomyces cerevisiae

<220>

<221> CDS

<222> (1)...(9)

<400> 29

tgg cat tgg ttgtccttgt cgcccgggca gcctatgtac
Trp His Trp
1

39

<210> 30

<211> 13

<212> PRT

<213> Saccharomyces cerevisiae

<400> 30

Trp His Trp Leu Ser Leu Ser Pro Gly Gln Pro Met Tyr
1 5 10

<210> 31

<211> 39

<212> DNA

<213> Saccharomyces cerevisiae

<220>

<221> CDS

<222> (1)...(39)

<400> 31

tgg cat tgg ttg tcc ctg gac gct ggc cag cct atg tac
Trp His Trp Leu Ser Leu Asp Ala Gly Gln Pro Met Tyr
1 5 10

39

<210> 32

<211> 13

<212> PRT

C1
Cont.

<213> Saccharomyces cerevisiae

<400> 32

Trp His Trp Leu Ser Leu Asp Ala Gly Gln Pro Met Tyr
1 5 10

<210> 33

<211> 39

<212> DNA

<213> Saccharomyces cerevisiae

<220>

<221> CDS

<222> (1)...(39)

<400> 33

tgg cat tgg ttg acc ttg atg gcc ggg cag cct atg tac
Trp His Trp Leu Thr Leu Met Ala Gly Gln Pro Met Tyr
1 5 10

39

<210> 34

<211> 13

<212> PRT

<213> Saccharomyces cerevisiae

<400> 34

Trp His Trp Leu Thr Leu Met Ala Gly Gln Pro Met Tyr
1 5 10

<210> 35

<211> 39

<212> DNA

<213> Saccharomyces cerevisiae

<220>

<221> CDS

<222> (1)...(39)

<400> 35

tgg cat tgg ttg cag ctg tgc gcg ggc cag cct atg tac
Trp His Trp Leu Gln Leu Ser Ala Gly Gln Pro Met Tyr
1 5 10

39

<210> 36

<211> 13

<212> PRT

<213> Saccharomyces cerevisiae

<400> 36

Trp His Trp Leu Gln Leu Ser Ala Gly Gln Pro Met Tyr
1 5 10

<210> 37

<211> 39

<212> DNA

<213> Saccharomyces cerevisiae

C1
cont

<220>

<221> CDS

<222> (1)...(39)

<400> 37

tgg cat tgg ttg agg ttg cag tcc ggc cag cct atg tac 39

Trp His Trp Leu Arg Leu Gln Ser Gly Gln Pro Met Tyr

1

5

10

<210> 38

<211> 13

<212> PRT

<213> Saccharomyces cerevisiae

<400> 38

Trp His Trp Leu Arg Leu Gln Ser Gly Gln Pro Met Tyr

1

5

10

<210> 39

<211> 39

<212> DNA

<213> Saccharomyces cerevisiae

<400> 39

tggcattggt tgcgcttgct cgccgggcag cctatgtac 39

<210> 40

<211> 13

<212> PRT

<213> Saccharomyces cerevisiae

<400> 40

Trp His Trp Leu Arg Leu Gln Ser Gly Gln Pro Met Tyr

1

5

10

<210> 41

<211> 39

<212> DNA

<213> Saccharomyces cerevisiae

<400> 41

tggcattggt tgctgctcgt cccggggcag cctatgtac 39

<210> 42

<211> 13

<212> PRT

<213> Saccharomyces cerevisiae

<400> 42

Trp His Trp Leu Ser Leu Val Pro Gly Gln Pro Met Tyr

1

5

10

<210> 43

<211> 39

<212> DNA

<213> Saccharomyces cerevisiae

C1
cont

<220>

<221> CDS

<222> (1)...(39)

<400> 43

tgg cat tgg ttg tcc ctg tac ccc ggg cag cct atg tac 39

Trp His Trp Leu Ser Leu Tyr Pro Gly Gln Pro Met Tyr

1

5

10

<210> 44

<211> 13

<212> PRT

<213> Saccharomyces cerevisiae

<400> 44

Trp His Trp Leu Ser Leu Tyr Pro Gly Gln Pro Met Tyr

1

5

10

<210> 45

<211> 39

<212> DNA

<213> Saccharomyces cerevisiae

<220>

<221> CDS

<222> (1)...(39)

<400> 45

tgg cat tgg ttg cgg ctg cag ccc ggg cag cct atg tac 39

Trp His Trp Leu Arg Leu Gln Pro Gly Gln Pro Met Tyr

1

5

10

<210> 46

<211> 13

<212> PRT

<213> Saccharomyces cerevisiae

<400> 46

Trp His Trp Leu Arg Leu Gln Pro Gly Gln Pro Met Tyr

1

5

10

<210> 47

<211> 20

<212> DNA

<213> Saccharomyces cerevisiae

<400> 47

ctggatgcga agactcagct 20

<210> 48

<211> 69

<212> DNA

<213> Saccharomyces cerevisiae

<400> 48

cggatgatca, gtacattggg tggccaggtt ttagctgcaa ccaatgccaa gctgagtctt 60

C1
cont

cgcatccag 69

<210> 49
 <211> 20
 <212> DNA
 <213> Saccharomyces cerevisiae

<400> 49
 ctggatgcga agactcagct 20

<210> 50
 <211> 69
 <212> DNA
 <213> Saccharomyces cerevisiae

<400> 50
 gacctacgct tctgagtcga accgtaacca acgtcgattt tggaccgggtt gggtacatga 60
 ctagtaggc 69

<210> 51
 <211> 39
 <212> DNA
 <213> Saccharomyces cerevisiae

<220>
 <221> CDS
 <222> (1)... (39)

<400> 51
 tgg cat tgg cta cag cta acg cct ggg caa cca atg tac 39
 Trp His Trp Leu Gln Leu Thr Pro Gly Gln Pro Met Tyr
 1 5 10

<210> 52
 <211> 13
 <212> PRT
 <213> Saccharomyces cerevisiae

<400> 52
 Trp His Trp Leu Gln Leu Thr Pro Gly Gln Pro Met Tyr
 1 5 10

<210> 53
 <211> 39
 <212> DNA
 <213> Saccharomyces cerevisiae

<220>
 <221> CDS
 <222> (1)... (39)

<400> 53
 tgg cat tgg ctg gag ctt atg cct ggc caa cca tta tac 39
 Trp His Trp Leu Glu Leu Met Pro Gly Gln Pro Leu Tyr
 1 5 10

<210> 54
 <211> 13

C!
 cont.

<212> PRT
<213> Saccharomyces cerevisiae

<400> 54
Trp His Trp Leu Glu Leu Met Pro Gly Gln Pro Leu Tyr
1 5 10

<210> 55
<211> 39
<212> DNA
<213> Saccharomyces cerevisiae

<220>
<221> CDS
<222> (1)...(9)

<400> 55
tgg cat tgg atggagctaa gacctggcca accaatgtac 39
Trp His Trp
1

<210> 56
<211> 13
<212> PRT
<213> Saccharomyces cerevisiae

<400> 56
Trp His Trp Met Glu Leu Arg Pro Gly Gln Pro Met Tyr
1 5 10

<210> 57
<211> 77
<212> DNA
<213> Saccharomyces cerevisiae

<220>
<221> misc_feature
<222> 29,30,32,33,35,36,38,39,41,42,44,45,47,48,50,51, 53,54,
<222> 56,57,59,60,62,63,65,66
<223> n = A,T,C or G

<400> 57
cgtgaagctt aagcgtgagg cagaagctnn knknknknknkn nnknknknknkn nknknknknkn 60
knknknktga tcatccg 77

<210> 58
<211> 28
<212> DNA
<213> Saccharomyces cerevisiae

<400> 58
cgtgaagctt aagcgtgagg cagaagct 28

<210> 59
<211> 57
<212> DNA
<213> Saccharomyces cerevisiae

C1
amt

<220>
<221> misc_feature
<222> 12,13,15,16,18,19,21,22,24,25,27,28,30,31,33,34,36,37,
<222> 39,40,42,43,45,46,48,49
<223> n = A,T,C or G

<400> 59
cggatgatca mnnmnnmnnm nnnnnnnnnn nnnnnnnnnn mnnnnnnnnna gttctg 57

<210> 60
<211> 79
<212> DNA
<213> Saccharomyces cerevisiae

<220>
<221> misc_feature
<222> 27,28,30,31,33,34,36,37,39,40,42,43,45,46,48,49,51,52,
<222> 54,55,57,58
<223> n = A,T,C or G

<400> 60
ggtactcgag tgaaaagaag gacaacnnkn nknknknkn knknknknkn nnknknknkt 60
gtgttattgc ttaagtacg 79

<210> 61
<211> 26
<212> DNA
<213> Saccharomyces cerevisiae

<400> 61
ggtactcgag tgaaaagaag gacaac 26

<210> 62
<211> 60
<212> DNA
<213> Saccharomyces cerevisiae

<220>
<221> misc_feature
<222> 22,23,25,26,28,29,31,32,34,35,37,38,40,41,43,44,46,47,49,
<222> 50,52,53
<223> n = A,T,C or G

<400> 62
cgtacttaag caataacaca mnnmnnmnnm nnnnnnnnnn nnnnnnnnnn mnnngttgtcc 60

<210> 63
<211> 33
<212> DNA
<213> Saccharomyces cerevisiae

<220>
<221> CDS
<222> (1)...(33)

<400> 63
tat gct ctg ttt gtt cat ttt ttt gat att ccg 33
Tyr Ala Leu Phe Val His Phe Phe Asp Ile Pro
1 5 10

C1
cont.

<210> 64
<211> 11
<212> PRT
<213> Saccharomyces cerevisiae

<400> 64
Tyr Ala Leu Phe Val His Phe Phe Asp Ile Pro
1 5 10

<210> 65
<211> 33
<212> DNA
<213> Saccharomyces cerevisiae

<220>
<221> CDS
<222> (1)...(33)

<400> 65
ttt aag ggt cag gtg cgt ttt gtg gtt ctt gct
Phe Lys Gly Gln Val Arg Phe Val Val Leu Ala
1 5 10

33

<210> 66
<211> 11
<212> PRT
<213> Saccharomyces cerevisiae

<400> 66
Phe Lys Gly Gln Val Arg Phe Val Val Leu Ala
1 5 10

<210> 67
<211> 33
<212> DNA
<213> Saccharomyces cerevisiae

<220>
<221> CDS
<222> (1)...(33)

<400> 67
ctt atg tct ccg tct ttt ttt ttt ttg cct gcg
Leu Met Ser Pro Ser Phe Phe Phe Leu Pro Ala
1 5 10

33

<210> 68
<211> 11
<212> PRT
<213> Saccharomyces cerevisiae

<400> 68
Leu Met Ser Pro Ser Phe Phe Phe Leu Pro Ala
1 5 10

C1
Ant.

<210> 69
<211> 11
<212> PRT
<213> Saccharomyces cerevisiae

<400> 69
Tyr Ile Ile Lys Gly Val Phe Trp Asp Pro Ala
1 5 10

<210> 70
<211> 35
<212> DNA
<213> Saccharomyces cerevisiae

<400> 70
gggtgggaggg tgctctctag aaggaagtgt tcacc 35

<210> 71
<211> 41
<212> DNA
<213> Saccharomyces cerevisiae

<400> 71
gcccgaggaga ccagaccatg gactccttca attataccac c 41

<210> 72
<211> 42
<212> DNA
<213> Saccharomyces cerevisiae

<400> 72
ccccttaagc gtgaggcaga agctactctg caaaagaaga tc 42

<210> 73
<211> 29
<212> DNA
<213> Saccharomyces cerevisiae

<400> 73
gaagatcttc agcggccgag ttgcatgtc 29

<210> 74
<211> 38
<212> DNA
<213> Saccharomyces cerevisiae

<400> 74
gatatattaa ggtaggaaac catgggggtgt acagtgtg 38

<210> 75
<211> 33
<212> DNA
<213> Saccharomyces cerevisiae

<400> 75
cgaggctcga gggaacgtat aattaaagta gtg 33

<210> 76
<211> 34
<212> DNA

C1
Cont.

<213> Saccharomyces cerevisiae

<400> 76

gcgcggtacc aagcttcaat tcgagataat accc

34

<210> 77

<211> 24

<212> DNA

<213> Saccharomyces cerevisiae

<400> 77

cccgaatcca ccaatttctt tacg

24

<210> 78

<211> 27

<212> DNA

<213> Saccharomyces cerevisiae

<400> 78

gcggcgtcga cgcggccgcg taacagt

27

<210> 79

<211> 37

<212> DNA

<213> Saccharomyces cerevisiae

<400> 79

ctgctggagc tccgcctgct gctgctgggt gctggag

37

<210> 80

<211> 43

<212> DNA

<213> Saccharomyces cerevisiae

<400> 80

ctgctggtcg acgcggccgc gggggttcct tcttagaagc agc

43

<210> 81

<211> 30

<212> DNA

<213> Saccharomyces cerevisiae

<400> 81

gggctcgagc cttcttagag cagctcgta

30

<210> 82

<211> 37

<212> DNA

<213> Saccharomyces cerevisiae

<400> 82

ctgctggagc tcaagttgct gctgttgggt gctgggg

37

<210> 83

<211> 44

<212> DNA

<213> Saccharomyces cerevisiae

<400> 83

ctgctggtcg acgcggccgc gccctcaga agaggccgcg gtcc

44

C1
Cont

<210> 84
<211> 29
<212> DNA
<213> Saccharomyces cerevisiae

<400> 84
gggctcgagc ctcagaagag gccgcagtc 29

<210> 85
<211> 37
<212> DNA
<213> Saccharomyces cerevisiae

<400> 85
ctgctggagc tcaagctgct gctactcggg gctggag 37

<210> 86
<211> 49
<212> DNA
<213> Saccharomyces cerevisiae

<400> 86
ctgctggctg acgcggccgc cactaacatc catgcttctc aataaagtc 49

<210> 87
<211> 31
<212> DNA
<213> Saccharomyces cerevisiae

<400> 87
gggctcgagc atgcttctca ataaagtcca c 31

<210> 88
<211> 19
<212> DNA
<213> Saccharomyces cerevisiae

<400> 88
gcatccatca ataattccag 19

<210> 89
<211> 23
<212> DNA
<213> Saccharomyces cerevisiae

<400> 89
gaaacaatgg atccacttct tac 23

<210> 90
<211> 36
<212> DNA
<213> Saccharomyces cerevisiae

<400> 90
ggcgcccggt ctcccatgga aaccaacttc tccact 36

<210> 91
<211> 40
<212> DNA
<213> Saccharomyces cerevisiae

C1
Cont.

<400> 91
ggcgccccgt ctccgatccc attgcctgta actcagtctc 40

<210> 92
<211> 39
<212> DNA
<213> Saccharomyces cerevisiae

<400> 92
tctctgcttt ggctgacttg tcggccttgg gaggcgatg 39

<210> 93
<211> 23
<212> DNA
<213> Saccharomyces cerevisiae

<400> 93
gggccatggg gccgcggcgg ttg 23

<210> 94
<211> 32
<212> DNA
<213> Saccharomyces cerevisiae

<400> 94
cccggatcct aagttaacag ctttttgtat at 32

<210> 95
<211> 39
<212> DNA
<213> Saccharomyces cerevisiae

<220>
<221> CDS
<222> (1)...(39)

<400> 95
gtt tgt cct gcg cgt tat gtg ctg cct ggg cct gtt ttg 39
Val Cys Pro Ala Arg Tyr Val Leu Pro Gly Pro Val Leu
1 5 10

<210> 96
<211> 13
<212> PRT
<213> Saccharomyces cerevisiae

<400> 96
Val Cys Pro Ala Arg Tyr Val Leu Pro Gly Pro Val Leu
1 5 10

<210> 97
<211> 8
<212> PRT
<213> Saccharomyces cerevisiae

<400> 97
Gln Ala Arg Lys Leu Gly Ile Gln
1 5

C1
Cont.

<210> 98
<211> 5
<212> PRT
<213> Saccharomyces cerevisiae

<400> 98
Asp Val Gly Gly Gln
1 5

<210> 99
<211> 9
<212> PRT
<213> Saccharomyces cerevisiae

<400> 99
Leu Glu Lys Gln Arg Asp Lys Asn Glu
1 5

C!
Cont
<210> 100
<211> 8
<212> PRT
<213> Saccharomyces cerevisiae

<400> 100
Leu Leu Leu Leu Gly Ala Gly Glu
1 5
